

COLUMBIA PLANNING INDUSTRIAL COURSE

Summer School to Instruct Workers in Pulp and Paper Making.

BIG CLASS IS ARRANGED

Gas Engineering and Uses of Industrial Alcohol to Be Taken Up.

A course in pulp and paper making for industrial workers is a new feature of the summer school of Columbia University, which opens on Tuesday. The new course will be under the direction of Prof. Ralph H. McKee of the Department of Chemical Engineering. The students in the course will include two vice-presidents of corporations, one mill manager and about thirty other workers in this field.

Prof. McKee said this course would be the forerunner of other summer courses in industrial engineering subjects, which will include gas engineering and the uses of industrial alcohol. Industrial alcohol will probably be taken up next summer.

"When the use of alcohol in industries," Prof. McKee said in speaking of this course, "many of the necessities of life would be non-existent. It is the hope and expectation of the chemical manufacturers of the country that in the future the 'rule of reason' will be the slogan of the Government in handling denatured alcohol and thereby increase the efficiency of manufacturing and lessen the cost of production of dyes, medicinal preparations, celluloid, photographic materials, lacquers, varnishes, and printing and lithographic inks, automobile fuels, solid fuels and other products. The numerous industries concerned will benefit much by a clear technical discussion of the manufacturing problems arising when denatured alcohol is used."

Of the gas course, also to be offered next summer, Prof. McKee says: "There have been important changes in the industry not commonly appreciated by the technical public. More than 90 per cent. of the gas used is no longer used for lighting, but the heat given off is the factor of importance. The industry has not accommodated itself to the change from a light to a heat basis."

C. F. RAND IS HONORED BY BRITISH INSTITUTE

New York Mining Engineer Is Honorary Member.

Charles F. Rand, a mining engineer of 31 Broadway, chairman of the executive board of the Engineering Foundation and director and past president of the American Society of Mining and Metallurgical Engineers, has been elected an honorary member of the Iron and Steel Institute of Great Britain, cable advices said yesterday.

Mr. Rand is now in England, where on Wednesday the Fritz medal for achievement in applied science was presented to Sir Robert Hadfield. On July 8 the medal board, of which Mr. Rand is a member, will go to Paris to present the 1922 medal to Eugene Schneider, head of the Creusot works.

The honor to Mr. Rand is the second for an American engineer recently. Prof. Robert Peck of the Columbia School of Mines having been made an honorary member of the Institution of Mining and Metallurgy of London.

WESTCHESTER COUNTY SLASHES ITS EXPENSES

Salaries of Public Officials Are Reduced.

Reduction of salaries of public officials and a general pruning of expenses at the Westchester County Court House have resulted in the saving of several thousand dollars to the taxpayers of the county. The salaries of the District Attorney, County Clerk, County Attorney, County Treasurer and Commissioner of Charities and Correction have been reduced during the last year from \$10,000 to \$7,500.

On June 1 the Bureau of Elections, which has been a source of considerable expense to the county for many years, was abolished. The bureau is now under Louis V. Ellrod, County Clerk, who has been placed on a salary instead of a fee basis, and will attend to the election machinery without extra compensation. The County Clerk's budget for the coming year will be about \$40,000, as against \$57,029 for the last year. He has reorganized his office in most of his branches in order to make this saving.

The retrenchment in county offices is said to be due chiefly to the efforts of William L. Ward, leader of the Westchester Republican organization.

15,000 HERE FOR C. E. MEETING.

80,000 Societies to Be Represented at Convention Next Week.

The fight fans crowding the hotel lobbies will have their places taken next Wednesday by delegates to the sixth world's Christian Endeavor convention. Sessions will be held three times a day from July 6 to 11. More than 15,000 delegates are expected.

Delegates will represent 80,000 societies from every part of the world. There will be a "Christian citizenship parade" up Fifth avenue on July 9, several banquets, missionary exhibits and singing by a selected choir of 1,000 under Homer Rodeheaver and Percy Foster.

CAR SOUGHT TO AID CHILDREN.

New York Home Makes Appeal for a Used Automobile.

An appeal for a used car which can be spared for transporting children to the Hopewell Farm, near Norwalk, Conn., has been issued by Lawrence B. Edmund, president of the New York Home for Homeless Boys. The home has maintained the summer camp for several years, but the old automobile which has been used for carrying children and gathering provisions has broken down. Communications should be sent to H. Clinton Ewa, 441 East 123d street.

HUBBY'S LETTERS IN DIVORCE.

Wife Got Answers Under Pictitious Name.

SAN FRANCISCO, Cal., July 2.—Here's a little hunch for doubting wives, and a red hot tip for wayward husbands.

Mrs. Eva Boyle introduced a bundle of "wedding" letters in her divorce from Daniel P. Boyle of Ontario. She said he wrote 'em and then quite calmly: "They were written to me, but I didn't know it. I had an idea he was writing to other women, so I adopted a pen name and wrote him a few myself. These are the answers."

"The correspondence," she said, "continued six months." She said she picked up quite a fund of interesting information about the man she thought she knew.

A divorce was granted.

HARVARD TO DIRECT AFRICAN EXPEDITION

Geologists to Study Problem of Granite Origin in Transvaal.

WILL VISIT ASCENSION

Noted Boer Scientist Will Assist Work Under N. S. Shaler Fund.

Special Despatch to THE NEW YORK HERALD. CAMBRIDGE, Mass., July 2.—Professors Reginald A. Daly and Charles Palache of Harvard University will direct early next year a geological expedition to South Africa chiefly to study the famous Transvaal laccolith and the neighboring gold and diamond mines. Dr. G. A. F. Molengraaf, formerly chief geologist to the Transvaal Republic, and Dr. Fred E. Wright, petrologist of the Geo-physical Laboratory at Washington, who is working in the interests of the Carnegie Institution, are to be members of the expedition.

Prof. Daly sailed from Boston yesterday on the Winfredian to do some preliminary geological work in England and France, to be followed by a trip to the Island of Ascension in the South Atlantic Ocean. He will meet his associates in England next January, from where the expedition will depart for South Africa.

The expedition is to be financed from the accumulated income of the Shaler Memorial Fund, raised by friends of the late Prof. Nathaniel S. Shaler of Harvard, to endow field research work in geology.

Dr. Molengraaf first made his reputation as a geologist while serving the Transvaal Republic, but his work was interrupted by the Boer war and since then he has done much geological work in the East Indies. At present he is professor of geology in the technical high school of Delft, Holland. He was one of the first to develop the theory of changes of climate in geological history.

The men plan to be in the field four or five months during the first half of 1922. Their main object is the study of an immense body of intrusive rock just north of Pretoria, known as the Transvaal laccolith. This is described as a great cake of igneous rock just below the earth's crust, and 250 miles long, eighty miles wide and several miles in depth. It is the largest example of its kind known in the world.

The special point of interest in the study of the Transvaal laccolith is that it seems to shed light on one of the perplexing problems of geology, that of the origin of granite.

The men on the Harvard expedition will make their headquarters in Pretoria and pursue their studies over the whole area covered by the laccolith. They will also study the igneous rocks of eastern Cape Province and Natal, and the famous Rand conglomerate from which a large part of the gold supply of the world comes, as well as the remarkable diamonds of that section. Prof. Palache will investigate the corundum deposits of the region. Dr. Wright is an authority on the physics of crystals, and will devote himself primarily to geological problems as related to geophysics.

The party will return by the way of the east coast of the continent.

BURGLAR HUNTERS USE RADIO.

PASADENA, July 2.—Wireless telephones installed on the automobiles of the anti-burglar motor fleet of the Pasadena Police Department recently enabled officers to communicate with headquarters while their cars are in motion. Every automobile operated by the department has been so equipped, it was announced yesterday.

GUARANTEE EXTERMINATING COMPANY

500 FIFTH AVENUE GUARANTEED VERMIN EXTERMINATION

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ART SALES.

Keeler Art Galleries

12 Vesey St., Broadway

ESTATE SALE

Wednesday, July 6, at 1 P. M.

DIAMOND JEWELRY

By order of McCall and McConnell, 51 Chambers St., Auctioneers, Estate of James J. Montgomery, dec'd.

Also by order of

SCHUBERT SQUARE VAN CO.

To pay Storage Charges

Lot of Bedroom and Dining Room

HOUSEHOLD FURNITURE

IN ADDITION

A Cabinet of Bric-a-brac and

Lot of

OFFICE FURNITURE

GEO. W. KEELER, Auctioneer.

SALES AT AUCTION.

Largest Stock Ever Offered

Will Be Sold at

PUBLIC AUCTION

N. W. LEVITTAN, Auctioneer

Tues., July 5, & Wed., July 6,

at 11 A. M. Sharp, without reserve, at

224 W. 34th St., bet. 7th-8th Aves.

\$100,000 COLLECTION

Of a Prominent New York Art Dealer

(Name withheld by request).

CONSISTING OF

Bronze and Marble Statuary, Sevres Vases,

Dresden, Ivory, Clock Sets, Ivory and

Enamel Miniatures, Onyx Pedestals, Teak-

wood, Oriental Rugs, Drawers, Suites of

Bedroom and Dining Room Furniture, Oil

Paintings, 1,000 pieces of Sterling Silver,

Porcelain, English Crystal, Bohemian

Glassware, Plates, Limoges Dinnerware,

Aquas, Royal Vases, Limoges Derby, Dou-

ble, Royal Worcester and Bonn Vases,

Chinese Bronzes and Porcelains, Antiques,

Russian Enamel, Cut Crystal Pitchers and

Lamps, Clotomone, Wood Carvings and Wicker

Furniture.

Goods Now on Exhibition.

Arthur Kaliski—Auctioneer

Sell Thursday & Friday, July 7 & 8,

beginning 11 A. M. EACH DAY

88 University Pl., bet. 11th & 12th Sts.

Choice Furniture and Effects

FOR EVERY PART OF THE HOUSE

AN UNUSUALLY ARTISTIC COLLECTION

OF BRIC-A-BRAC, CHINA

GLASSWARE, BRONZES, SILVER AND

SILVER PLATE

Upright Pianos

ORIENTAL RUGS, LACE CURTAINS,

HANGINGS

Antique Furniture

ALSO BY ORDER OF

Manhattan Storage Warehouse Co.

FOR OR ROOM EDWARD E. K.

STALLS FOR UNPAID STORAGE

CHARGES, BALANCE OF

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Exhibition Wednesday,

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Store Hours: 9 A. M.
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ABRAHAM AND STRAUS INC.

BROOKLYN

Direct Subway Entrance
at Hoyt St. Sta.
Use the A. & S. Crossway

"A Big Week for Little Folks" Begins Tuesday!

Special for Children's Week!

Children's Summer Dresses 89c



CHAMBRAY and GINGHAM are the materials used in fashioning these cunning wee dresses for the little girl's summer days. There are FIFTEEN STYLES in the group, and as many color combinations and colors.

Prettily designed collars, some in contrasting colors to match little cuffs and other trimmings. Pocket handkerchiefs may be tucked in little pockets. The hems are wide and the dresses well made. Sizes 2 to 6 years.

A. & S.—Second floor, East

A Great Special Purchase of

200 Girls' Organdy Dresses \$5.95

They are delightful models—and so adapted to the varying ages between 6 and 14 years.

Swiss organdies are used in fashioning them, some in plain colors—rose pink, pale yellow, etc., or figured or embroidered. TWENTY DIFFERENT STYLES in white and all the dainty Summer colors. Sizes 6 to 14 years.

A. & S.—Second floor, Central

Vacation Handkerchiefs for the Youngsters, 10c ea.

And bargains for the rest of the family, too.

Sports prints in a variety of colors that the youngsters will like, and mull hemstitched handkerchiefs embroidered in white or colors, very special at 10c ea.

Women's Imported Cambric Handkerchiefs, 19c, formerly 25c and 35c. Hand embroidered in white or colors, or lace edged, with lace inserts.

Women's Linen Handkerchiefs, 23c.

A handkerchief that regularly sells for more, embroidered.

Men's Colored Initial Handkerchiefs, 33c, from 48c.

And they were specially priced at 48c!

Men's Cambric Handkerchiefs, 8c. ea.

Slightly imperfect.

A. & S.—Street floor, Central

Looking to the Days at the Beach!

A Sale of Children's Bathing Suits \$1.98 to \$9.98

Let them spend as many hours as possible with their little Bathing Suits on—running through the sand and water and picking up health for the winter time.

At \$1.98—One-piece all-wool Jersey Suits, buttoning over one shoulder, in all the wanted colors, with contrasting bands around armholes and neck. Sizes 8 to 14 years.

At \$2.48—Button-down-the-front all-wool Jersey Suits in heather mixtures with contrasting bands for boys or girls. Sizes 12 to 14 years.

At \$2.98—One-piece heavy Zephyr Wool Bathing Suits, buttoning over one shoulder. All white, rose or Copenhagen blue. Sizes 2 to 6 years.

At \$9.98—Girls' and Misses' Bathing Suits of all-wool Jersey, one-piece, with pleated skirt. In dark colors with bright stripes in pleats of skirt. Sizes 8 to 18 years.

A. & S.—Second floor, Central

For the Youngsters' Day at the Beach!

Sand Mould Sets

19c, from 24c

Nothing that the kids enjoy more when they get out to the beach than "making things" in the sand. And all these cunning moulds—10 in each set—will be a joy to them.

A. B. C. Sand Moulds—with 18 moulds, screen and shovel.....\$1.59

Fitted Sand Pails, with moulds, rake and shovel.....65c to \$1.74

Sand Screen, with mould and shovel.....25c to \$1.74

Sandy Andy Toys, with sand crane and tray.....\$1.49

Brightly Colored Sand Pails.....5c to \$1.69

Watering Cans, prettily colored.....25c to \$1.69

A. & S.—Fourth floor, West

Specially Priced for Children's Week!

Little-Priced Underwear for Babies and Girls Up to 14 Years

The Little Ones will need plenty of "undies" for the Summer time whether you are taking them out of town or staying home. This is an opportunity to supply their needs.

Baby's First Slips of soft Nainsook at 39c.

Short Dresses for Babies, lace-trimmed neck and sleeves, hand-embroidered red yoke. 85c.

Children's Drawers, straightleg, finished with hemstitching and pin-tucking. Sizes 4 to 12 years. 19c.

Knickerbocker Drawers, embroidery-trimmed. Sizes 4 to 12 years, at 29c.

Children's Nightgowns, slip-over models in tailored or embroidery-trimmed styles. Sizes 4 to 14 years, at 59c.

Children's Pink Cotton Crepe Nightgowns in slip-over styles. Sizes 4 to 14 years, at 95c.

Children's Princess Slips, embroidery-trimmed. Sizes 8 to 14 years, at 89c.

Children's Pink Crepe Bloomers Sizes 4 to 14 years, 59c.

A. & S.—Second floor, East

Very Specially Priced!

Misses' Long Silk Gloves 98c a Pair

Of course the long white silk gloves are essential for Summer outfits for the younger young ladies—and these are priced at the smallest figure of the season. They are all white, in tricot weave.

A. & S.—Street floor, Central

100-Piece American Porcelain

Dinner Sets, \$22.50 a Set

Reduced from \$35.00

Decorated in a floral and gold border design on plain shapes—each piece has gold line at edge. Complete Service for 12 people. Quantity is limited to 40 sets.

American Porcelain Dinner Sets

	Sale Price	Reduced from
20—100 piece, blue line design	\$17.50	\$27.50
20—100 piece, conventional border design	33.50	46.00
10—101 piece, conventional border design	39.50	53.50
15—101 piece, conventional border design and gold line	45.00	67.50
30—50 piece, white and gold band design	8.75	12.89
20—52 piece, square shape medallion design	12.95	17.98

English Porcelain Dinner Sets

6—100 piece conventional border design	\$29.50	\$45.00
15—100 piece, conventional border design	45.00	65.00
15—100 piece, blue and gold band design	47.50	75.00
15—51 piece, all over design	19.75	29.75
6—110 piece, blue border design	47.50	71.50

French China Dinner Sets

20—100 piece, conventional border design	\$55.00	\$79.50
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Japanese China Dinner Sets

6—100 piece, blue bird design	\$37.50	\$59.75
22—100 piece, wide blue border design	39.50	67.00
8—100 piece, coin gold band design	64.50	112.50
20—52 piece, conventional border design	31.50	47.72

A. & S.—Subway floor, Central

An Early July Sale of

Women's Cotton Voile Dresses \$4.75, \$7.95, \$8.95, \$10.75

Fresh, new models in the prettiest colors—light and dark shades in solid colors; or foulard-patterned designs in wanted color combinations. A variety of models to choose from at each price. Sizes 36 to 44. Also extra size models at \$4.75, \$7.95, \$12.95, \$13.95 and \$16.75.

A. & S.—Second floor, Central

A Great Reduction Sale of

900 Pairs Women's Low Shoes \$3.95 Pair

Formerly \$5.00 to \$12.00

At least a dozen different styles are included in this remarkable sale of finer shoes. All are taken from our own stocks, and though the size range is broken in some models there is a complete range in the collection. SHOES WILL BE PLACED ON TABLES ACCORDING TO SIZES.

Also Women's White Sports Shoes

\$4.75 Pair

White canvas shoes in Oxford model, with stitched rubber soles and spring heels.

Women's One-Strap Pumps

\$5.95 Pair

Reduced from \$7.95

Tan Russia and gun metal pumps in the smart one-strap models. Welted soles, low heels. A full range of sizes.

A. & S.—Second floor, West

Sensational Values in

9 x 12 ft. Rugs